

# NUWAN BHATHIYA

BSc(Hons) in Information Technology  
(Undergraduate)



## CONTACT

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- 🔗 <https://github.com/Bhaathii>
- 🌐 <https://nuwanbhathiya.github.io/>

## TECHNICAL SKILLS

- Programming languages (C, Java, Python)
- Web development (HTML, CSS, JS, PHP)
- Database Management (MySQL, NoSQL)
- Version Control (Git, GitHub)
- Mobile App development (Android studio - Java, Kotlin)
- Software Development Object Oriented Programming (OOP)
- Agile Project Management (Scrum, Kanban)
- Operating System - windows, Kali Linux
- UI/UX design - Figma
- Microsoft Office suite (Word, Excel, PowerPoint)



## PROFILE

I am an enthusiastic Information Technology undergraduate at Horizon Campus with a strong passion for developing practical, user-centered tech solutions. Currently, I'm leading a research project on a Context-Aware Carbon Footprint Calculator for Sustainable Tourism in Sri Lanka.

I'm skilled in Java, C, Python and HTML, and experienced with Android Studio, Firebase, Wireshark, Streamlit, and Linux OS. I'm also an Oracle Certified AI Foundations Associate, with hands-on experience in Figma and UI/UX design, enabling me to effectively bridge the gap between development and user experience.

I'm actively exploring Generative AI, Machine Learning, and Cloud Technologies, and I enjoy collaborating on innovative projects that create real-world impact.



## EDUCATION

**Bachelor of Science (Hons) in Information Technology** 2022 – 2026

Horizon Campus | Expected Graduation: 2026

**Current GPA: 3.7 / 4.0**



## PROJECTS

2025 – present

**Context-Aware Carbon Footprint Calculator for Sustainable Tourism in Sri Lanka**

(Final year Project | BSc in Information Technology | 2025)

- Develop a function-based calculator web system using React, Node.js, and MongoDB to estimate carbon emissions from travel activities.
- Implement a real-time carbon emission tracking system using IoT tools and sensors for accurate monitoring of vehicle emissions.
- Provide personalized sustainability recommendations for each tourist using Machine Learning models trained on travel and behavioral data.
- Tech Stack: React, Node.js, MongoDB, IoT Tools, Machine Learning

## SOFT SKILLS

- Team Collaboration
- Problem Solving
- Communication Skill
- Time management
- Leadership
- Creativity

## LANGUAGES

- Sinhala
- English
- Tamil

## CERTIFICATIONS

- Intro to Deep Learning (Aug 2025)
- Data Visualization (Jul 2025)
- Getting Started with DevOps on AWS (Jul 2025)
- Data Cleaning, Kaggle (Jun 2025)
- Intro to Machine Learning, Kaggle (Jun 2025)
- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate (Jun 2025)
- Pandas, Kaggle (Jun 2025)
- Ethical Hacking (Jan 2024)
- TheHourofCode-Minecraft Edition

All certifications and project details can be viewed at:

<https://nuwanbhatiya.great-site.net/?i=3>

2025 june – 2025 july

### Wine Quality Predictor (Machine Learning & Deployment)

- Built an end-to-end ML pipeline using the Wine Quality dataset (EDA, preprocessing, model training, evaluation).
- Integrated the best-performing model into a Streamlit app with interactive visualizations and real-time predictions.
- Deployed publicly on Streamlit Cloud with GitHub integration for version control.
- Tech Stack: Python, Pandas, Scikit-learn, Streamlit, Git/GitHub.  
GitHub: <https://github.com/Bhaathii/wine-quality-app>

2025 feb – 2025 april

### Micro SaaS Note-Taking App

- Developed a micro SaaS note-taking application adhering to DevOps best practices. Implemented CI/CD pipelines, scalability mechanisms, and ensured a seamless user experience.
- Key Focus: DevOps implementation, microservice architecture, automation, and security.  
GitHub: <https://github.com/Bhaathii/quicknote-synapse.git>

2025 feb – 2025 april

### Personal Portfolio Website

- Designed and built a responsive portfolio website using HTML, CSS, and JavaScript to showcase projects, skills, and contact details.
- Deployed on InfinityFree with SSL for secure access and custom domain support  
WebSite: <https://nuwanbhatiya.great-site.net/?i=1>

2025 june – 2025 june

### Telegram Bot for Media Downloads – ClipNovaXBot

- Developed a Telegram bot in Python supporting media download (video/audio) using API integration and asynchronous interaction.
- Enabled inline command handling for an interactive user experience.
- Tech Stack: Python, aiohttp, python-telegram-bot, dotenv.  
Demo: [Demovideo](#)

2025 march – 2025 jApril

### SDG-Focused PETCARE Mobile App – Full Stack Development

- Created a mobile app aligned with a UN Sustainable Development Goal (SDG) to promote responsible pet care.
- Designed accessible, user-friendly interfaces and integrated Firebase NoSQL for real-time CRUD operations.
- Tech Stack: Android Studio, Kotlin (basic), XML, Firebase.  
GitHub: <https://github.com/Bhaathii/PETCARE2>